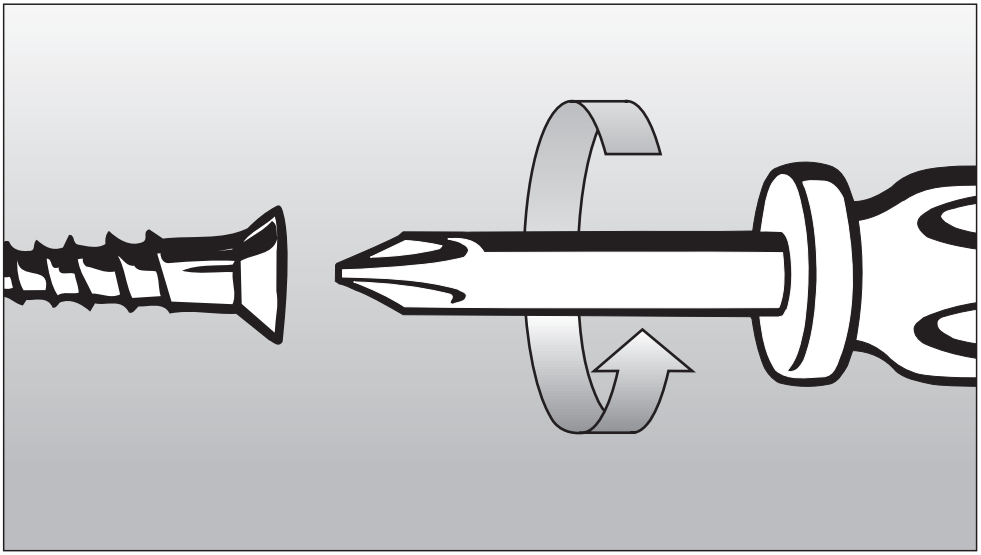
Miele

Installation instructions



for eye-level dishwashers

It is **essential** to read the operating and installation instructions before installing or using the machine, to avoid the risk of accident or damage to the machine.

GB

M.-Nr. 05 585 961

These installation instructions apply to several different dishwasher models. Model numbers in this booklet refer to the model designation specified on the data plate on the machine (and not the description on the control panel). The data plate is located at the top of the door when open.

The model numbers quoted refer only to the basic model number, e.g. the G 349SC is described as the G 349 in this booklet.

It is **essential** to read the **Warning and Safety Instructions** in the Operating Instruction booklet before installing the dishwasher.

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Building in

This dishwasher is intended to be built into a tall unit.

The following are needed:

– A facia panel (GW...),

– A dishwasher front, consisting of a panel front and plinth facia (GFH 55),

– A building in frame (GER 60).

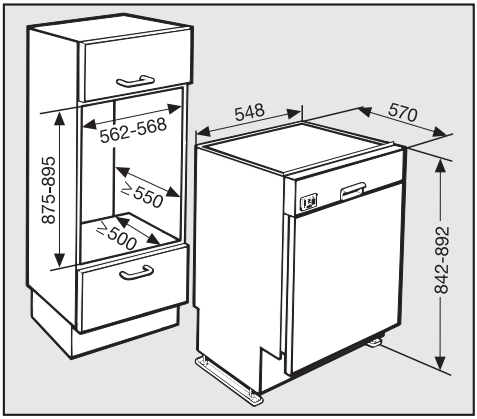
The facia panel and the front panel must be fitted before the dishwasher is built into the tall unit.

⚠ To ensure stability this dishwasher must only be built into a tall unit. It must not be set up as a free-standing machine.

The tall unit should be secured to the wall for stability with the bracket supplied.

⚠ On dishwashers with a drying fan, moist air is expelled through the vent outlet in the front of the machine at the end of a programme. It continues to be expelled for a certain length of time or until the door is opened.
To prevent damaging surrounding fittings (e. g. worktops with wood edging) the fan running time can be increased to 45 minutes (see "Additional functions" in the Operating Instruction manual for the machine).

1. Measurements for building in



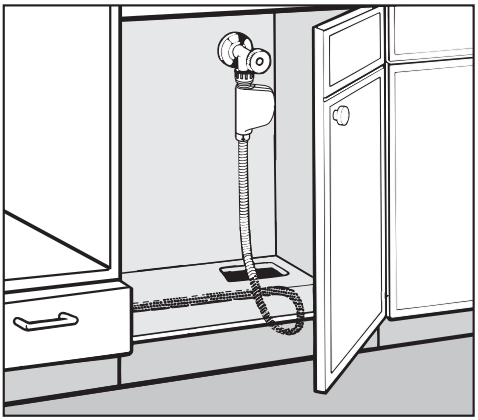
The following conditions must be met:

– The recess floor must be capable of bearing a load of at least 80 kg.

– The housing unit must be at least 550 mm deep.

– The installation duct (from base of the recess to the floor) must be at least 50 mm deep and 100 mm wide.

Normally connection to water is sited near the dishwasher, for example in the area under the sink. A Miele sink base unit already has a suitable cut out for installation. If the base unit has no cut-out and if there is no opening through the plinth area for connections, one must be made.



Suggested dimensions: 60 x 110 mm.

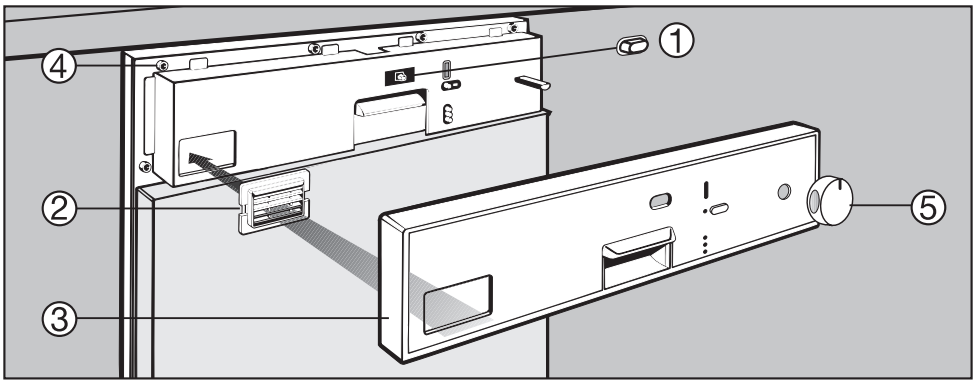
The same applies to the tall unit in which this dishwasher is to be installed.

⚠ There must be no electrical sockets behind the dishwasher. Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug.

2. Fitting the control facia panel

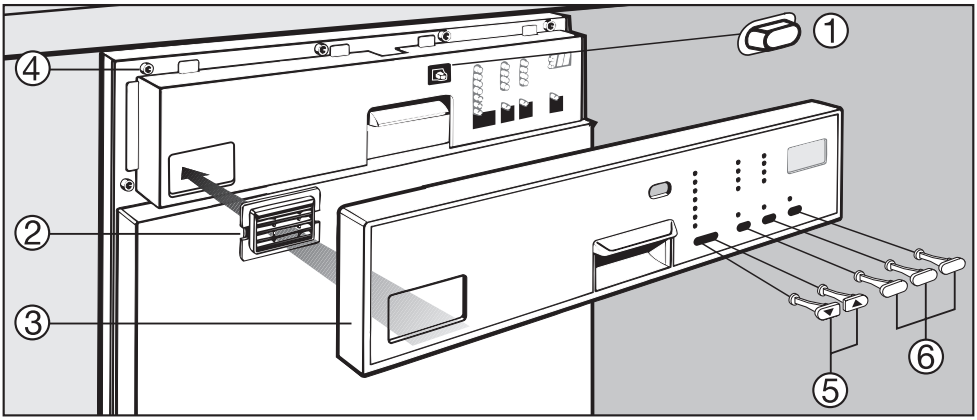
The dishwasher must not be used until the control panel has been correctly fitted.

Dishwashers with selector dial (G 349)



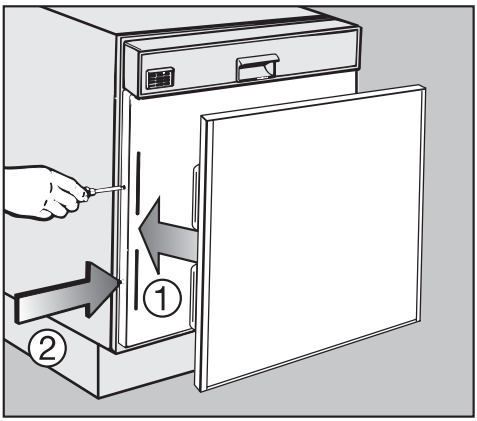
- Attach cap ① to push button switch.
- Push the ventilation grille ② into position so that the slats on the grille are facing downwards.
- Place the facia panel ③ in position and use the six screws ④ to secure in place through from the inside of the door.
- Attach selector ⑤.

Dishwashers with programme selector buttons (G 396)



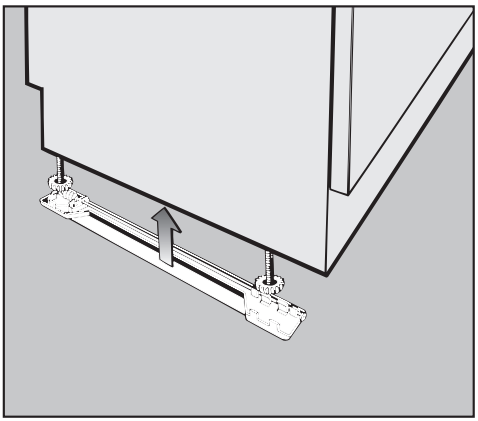
- Attach cap ① to push button switch.
- Push the ventilation grille ② into position so that the slats on the grille are facing downwards.
- Place the facia panel ③ in position and use the six screws ④ to secure in place through from the inside of the door.
- Insert the programme selector buttons ⑤ and function buttons ⑥.

3. Fitting the panel front



- Hang the panel front into the slits on the machine door outer panel ①.
- Tighten fixing screws ② on both sides of the door outer panel.
- Plug openings ② using the plastic stoppers supplied.

4. Adjusting the dishwasher height



- Adjust the machine feet evenly until the height of the dishwasher just reaches the height of the recess.
- Press the slides with the ratchet at the rear under the screw feet. (You will find the slides in the upper basket of the dishwasher).

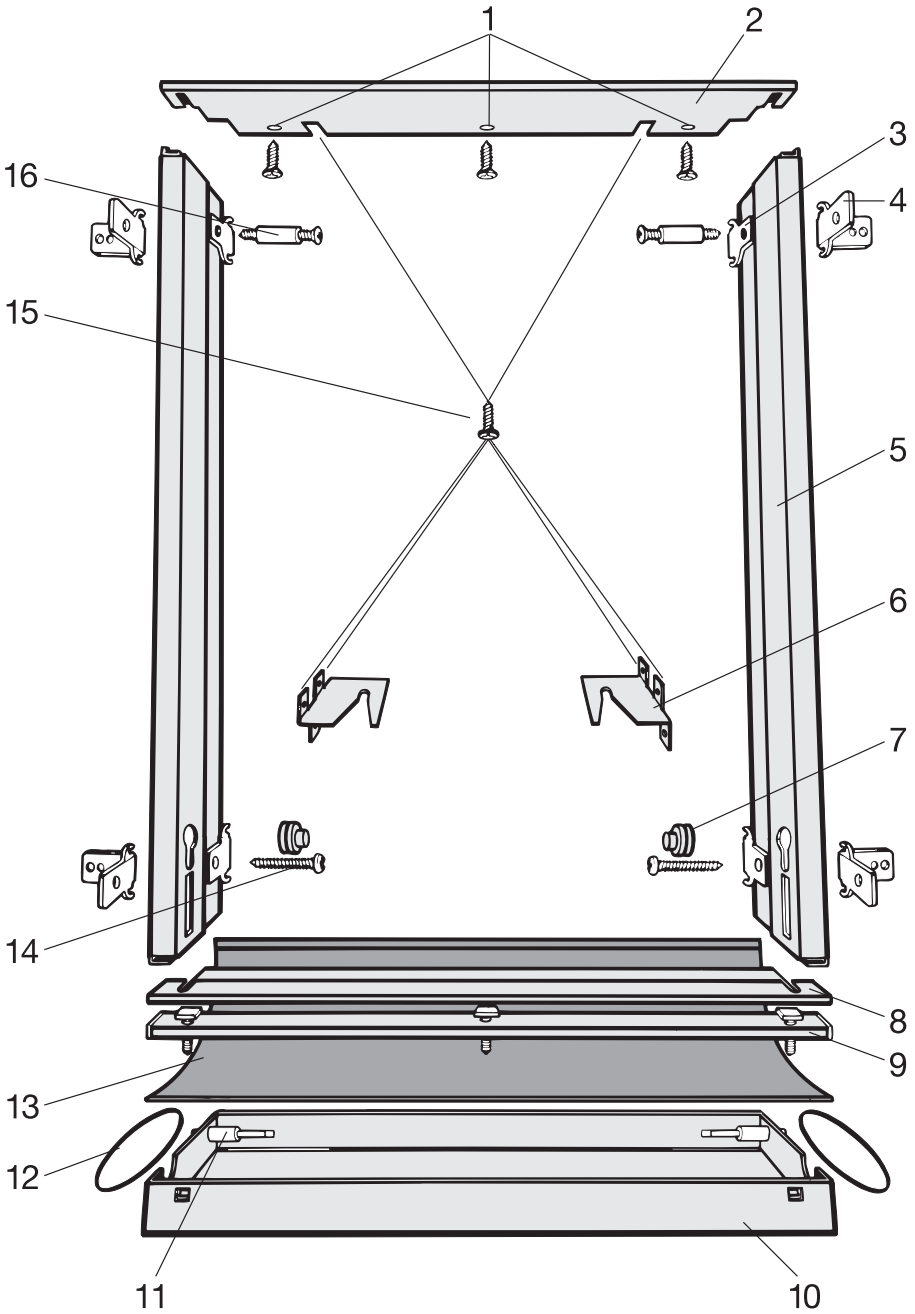
5. Fitting the drain hose

The drain hose is in the wash cabinet. The connection stub is located low down on the rear side of the dishwasher.

- Connect the drain hose using the hose clip supplied.

The connection stub can be turned. The hose can be laid to the right or left without needing to loosen the hose clip.

6. Building in kit



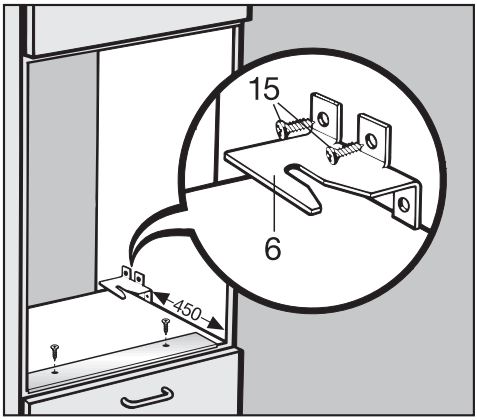
Position	Description	Quantity
1	Counter sunk screws 4 x 15	3
2	Top frame strip	1
3	Spacer for unit wall thickness 16 mm	4
4	Spacer for unit wall thickness 19 mm	4
5	Side frame strips	2
6	Foot holds	2
7	Stoppers	2
8	Bottom frame strip	1
9	Spacer bar	1
10	Plinth facia	1
11	Plinth facia retainer	2
12	Rubber rings	2
13	Protective sheet	1
14	Wood screws 4 x 20	2
15	Wood screws 4 x 15	6
16	Wood screws 4 x 30 with sleeve	2
not illustrated	Edge protector	1
	Flat head screws 3.5 x 9.5	2

7. Fitting the building-in frame and installing the dishwasher

Apply moisture protector

- Seal the cracks between the side walls and the recess floor and any unprotected cut surfaces with the silicone sealant provided.

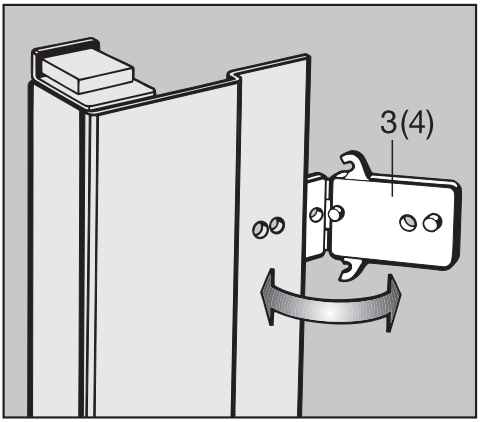
Screw the foot holds and edge protector in place



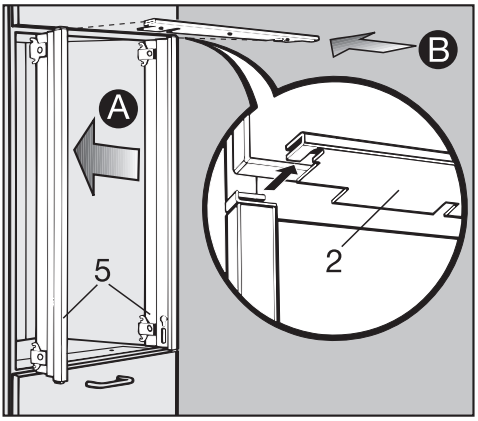
- Secure the foot holds (6) with two wood screws each 4 x 15 (15) to the side walls of the housing unit.
  The distance from the front edge of the unit to the front edge of the foot holds must measure 450 mm .
  The bottom bracket must rest on the recess floor.
- Secure the edge protector to the front edge of the unit floor using two 3.5 x 9.5 mm flat head screws. This protects the front edge of the unit base when fitting or removing the dishwasher.

Fitting the side and top frame strips

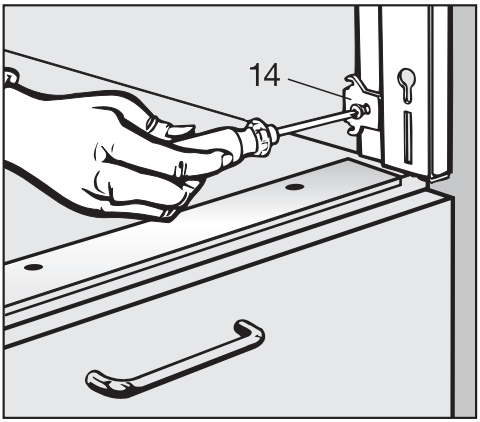
With a recess width of 562 mm (unit wall thickness 19 mm) spacer pieces (3) fitted to the side frame strips should be replaced by the thinner spacers should be replaced by the thinner spacers supplied (4).



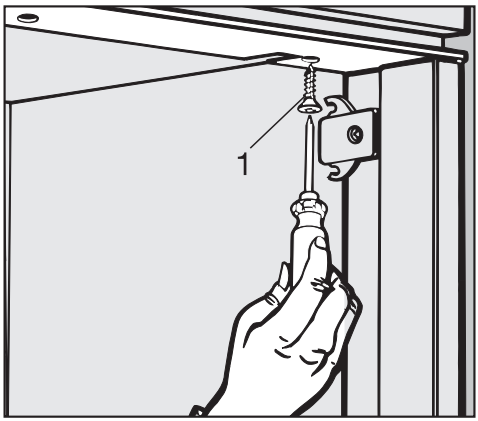
- Unfold spacer (3) and remove.
- Fit spacer (4) and fold back in.



- Place side frame strips (5) into the housing unit Ⓐ.
- Push the top frame strip (2) into position Ⓑ.

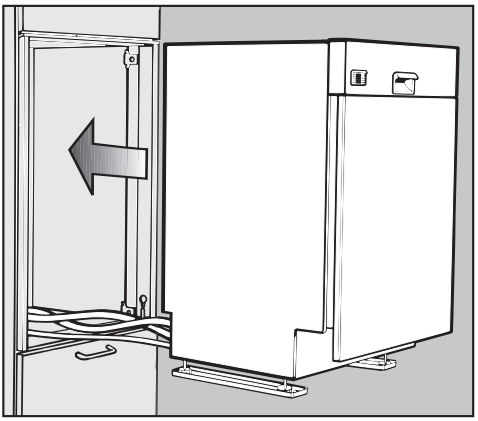


- Screw the side frame strips to the bottom of the side walls using the 4 x 20 (14) wood screws.



- Screw the top frame strip to the recess ceiling using the 4 x 15 (1) countersunk screws.

Fitting the dishwasher into the housing unit

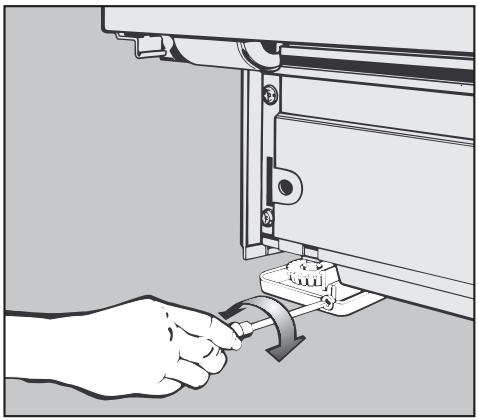


- Lay the hoses and cable into the unit and down through the installation duct.
- Push the dishwasher into the unit recess.
  The back feet should rest in the openings of the footholds.

⚠ Ensure the hoses and cable do not get kinked or squashed.

Aligning the dishwasher

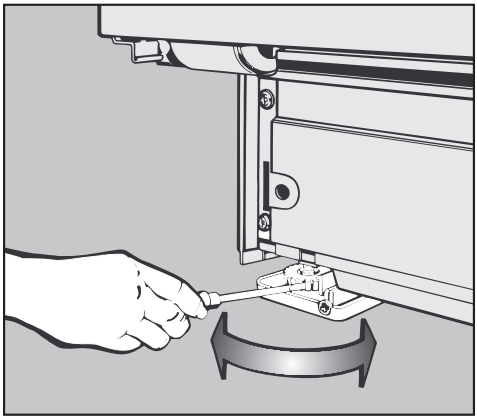
- Shut the dishwasher door.
- Screw the machine feet out until the dishwasher is touching the recess ceiling.



- Use a Torx T20 screwdriver to adjust the rear screw feet to the required height.

  higher = turn clockwise
  lower = turn anti-clockwise

Several turns are needed to adjust 1 mm in height.

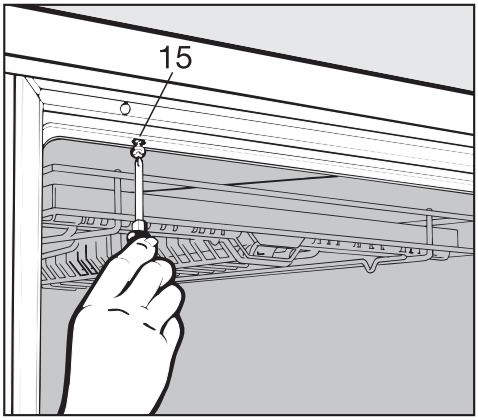


- Adjust the front screw feet manually or with a flat blade screwdriver.
- Align the dishwasher:
  - the gap between the panel front and the side frame strips must match,

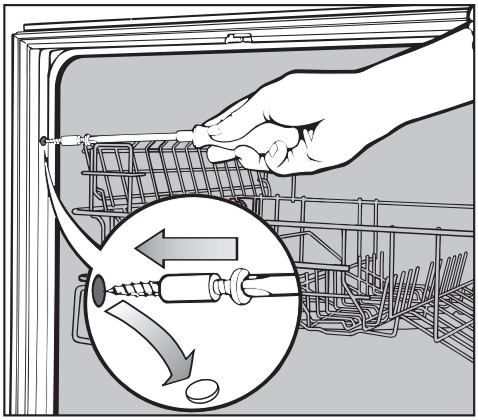
  and
  - the facia control panel and the panel front must sit flush with the building in frame.

To secure the dishwasher

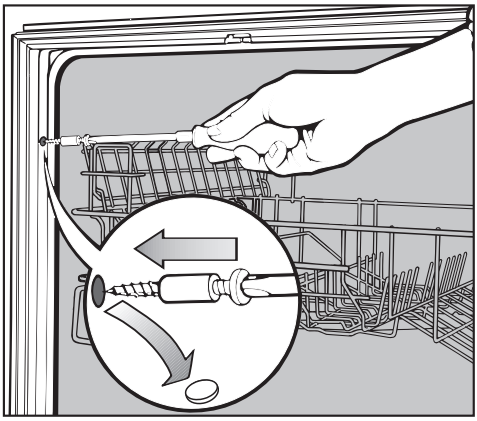
- Open the dishwasher door.



- Screw a 4 x 15 (15) wood screw from below into the holes in the right and left hand side of the upper strip.



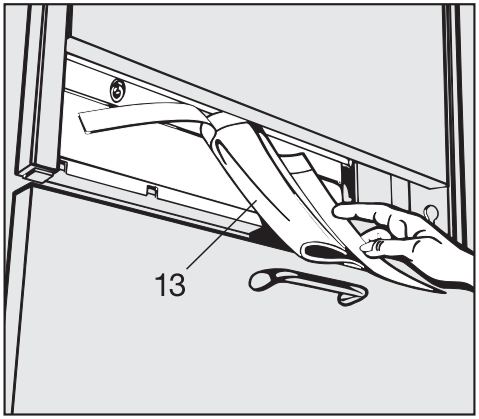
- Remove the cover caps from the side openings, left and right.
- Secure the dishwasher on both sides with the 4 x 30 wood screws with sleeves (16).



- Put the cover caps back in the openings. Use the extra ones supplied if necessary.

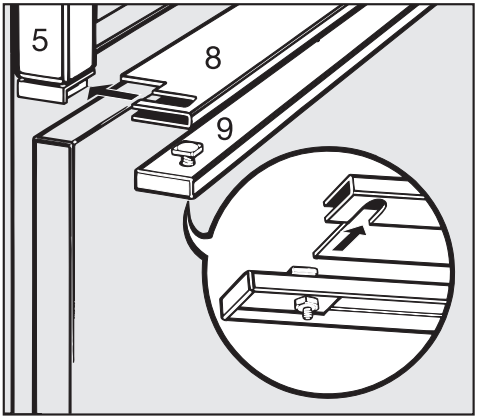
To fix the protective sheet

- Remove the backing from the adhesive strip.



- Stick the protective sheet (13) on the plinth along the edge below the screws.

To fit the bottom frame strip



Recess height 876 mm:

- Push the bottom frame strip (8) over the lower ends of the side frame strips (5).

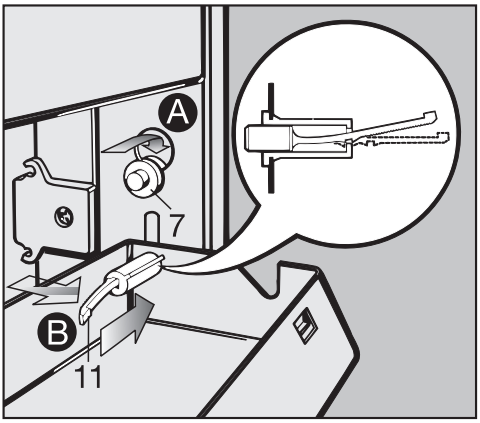
Recess height 882 mm:

- First push the spacer bar (9) from below onto the bottom frame strip.
- To do this loosen the nuts in the spacer bar, push the spacer bar onto the bottom frame strip and tighten the nuts again.
- File off any protruding screw ends.

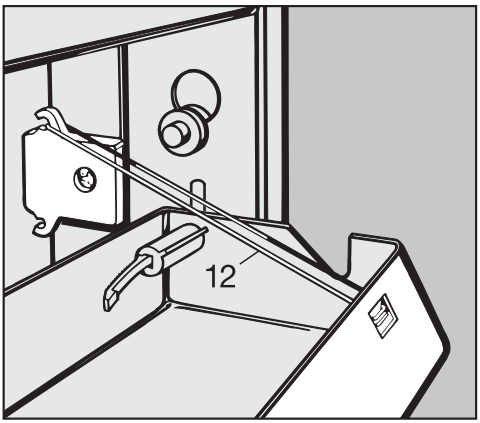
Recess height greater than 882 mm:

- In this case a package must be put together of spacer bars (special accessory) to suit the niche height and pushed under the bottom frame strip.

To fit the plinth facia



- Fit stoppers (7) into the "Key-holes" in the side frame strips Ⓐ.
- Pull the handle for the plinth facia (11) forward and push outward until it engages Ⓑ.



- Fit rubber bands (12) over the spacer pieces and into the plinth facia.
- Flap up the plinth facia.

8. Adjusting the door springs

The door springs are correctly adjusted when the door remains stationary when left open at 45 °.

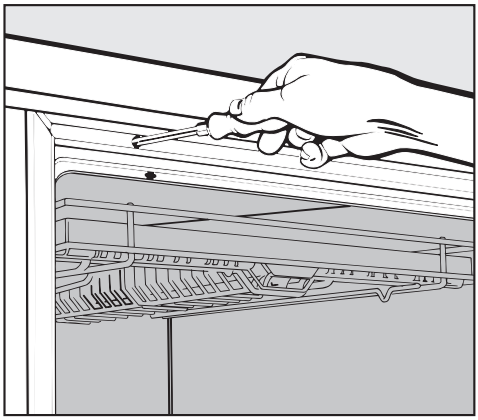
If the door drops down, then the door springs need to be tightened.

If it closes then the springs need to be loosened.

The adjusting screw is located in the upper front strip at the left hand side of the dishwasher.

■ Half open the dishwasher door.

The door springs are easier to adjust when the door is only half open than when it is fully open.



■ Adjust the door spring with a Torx T20 or a 1 x 5.5 mm screwdriver until it is correctly balanced:
- turn clockwise = tighten
- turn anti-clockwise = loosen.

⚠ Please follow the installation instructions carefully.
All electrical work should be carried out only by a suitably qualified and competent person, in strict accordance with national and local safety regulations.
Ensure power is not supplied to the appliance while installation work is being carried out.

This dishwasher is supplied with a mains cable and moulded plug ready for connection to an a.c. single phase supply, (230 -240 V 50 Hz for the UK and Australia) via a fused plug and suitable switched socket which is easily accessible after installation.

- The voltage, rated load and fuse rating are given on the data plate located above the door. Please ensure that these match the household mains supply.

For extra safety it is advisable to install a residual current device (RCD), with a trip current of 30 mA (in accordance with DIN VDE 0664, VDE 0100 Section 739).

- Do not connect via an extension lead. Danger of overheating.

⚠ If the connection cable is damaged it must be replaced with a complete connection box and cable by a Miele approved service technician only.

Important

If this machine is fitted with a non-rewireable plug (BS 1363) and the socket outlets are not suitable for the plug supplied or if the existing plug needs to be replaced by a new one, the old plug will need to be cut off and an appropriate plug fitted. The fuse carrier and the fuse should be removed from the old plug and disposed of.

The plug cut from the cable should then be disposed of and on no account be inserted into any socket elsewhere in the house (electric shock hazard).

The fuse cover must be refitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of plug fitted).

The correct fuse rating of the replacement fuses that are ASTA approved to BS 1362 should be fitted. Replacement fuse covers may be purchased from your local electrical supplier or Miele Service Agent.

Electrical connection

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow = earth

Blue = neutral

Brown = live

If the colours of the wires in the mains lead of this appliance do not correspond with the coloured markings identifying the terminals of your plug, proceed as follows:

- The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol ⏚ or coloured green, or green and yellow.
- The wire which is coloured blue must be connected to the terminal in the plug which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal in the plug which is marked with the letter L or coloured red (UK), or marked with the letter A (AUSTRALIA).

WARNING:
THIS APPLIANCE
MUST BE EARTHED

Connection to the water inlet

⚠ Water in the dishwasher must not be used as drinking water.

– The dishwasher may be connected to a cold or hot water supply, max. 60 °C. When connected to a hot water supply all programme stages which would otherwise be carried out with cold water (pre-wash and interim rinse) as well as the Pre-wash programme will be carried out with hot water.

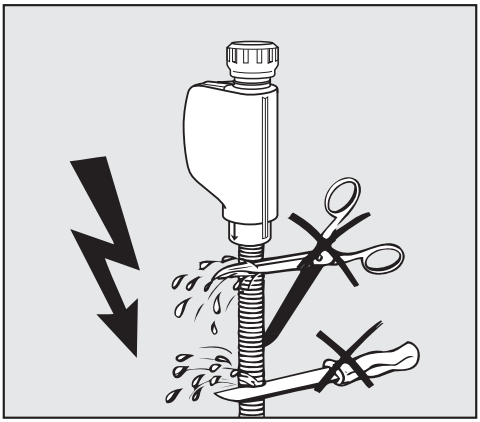
– The programme "Energy save" (without heater) needs connection to a hot water supply with a temperature of at least 45 °C.

– The inlet hose is approx. 4.5 m long.

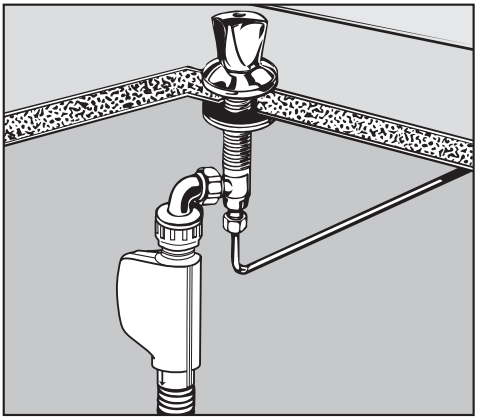
– A stopcock with a 3/4 " male thread must be provided on site.

– The dishwasher is constructed to comply with DVGW regulations, and may be connected to a suitable supply without an extra non-return valve if national regulations allow this.

– The water pressure (flow pressure at the take-off point) must be between 0.3 and 10 bar.
If the water pressure is too low the Water "inlet" or "inlet / drain" light (depending on model) may light up, (see "Problem solving guide" in the Operating Instruction booklet).
If the water pressure is too high, a pressure reducer valve must be fitted.



⚠ The water inlet hose must not be shortened or damaged in any way, (see illustration).



If the stopcock is situated in the worktop, a special angle connector can be ordered from the Miele Spare Parts Dept. (Part No. 04 274 820).

Drainage

– The machine drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the machine via the drain hose.

– The dishwasher is supplied with an approx. 2.25 m long flexible drain hose with an internal diameter of 22 mm.

– The drain hose can be extended using a connection piece and an extra drain hose, (up to max. 4 metres).

– The connection socket on the dishwasher can be turned. The hose can thus be laid to the right or left without needing to loosen the hose clip supplied.

– Two hose clips are supplied with the dishwasher for connecting the drain hose to the dishwasher and to the on-site drain connection.

– The on-site water pipe connection for the drain hose may be designed to fit more than one diameter of hose. The connection socket must be shortened if it juts too far into the drain hose. Otherwise the drain hose can become blocked.

– The drain system must not exceed 4 metres. The drain pump has a maximum delivery head of 1 metre.

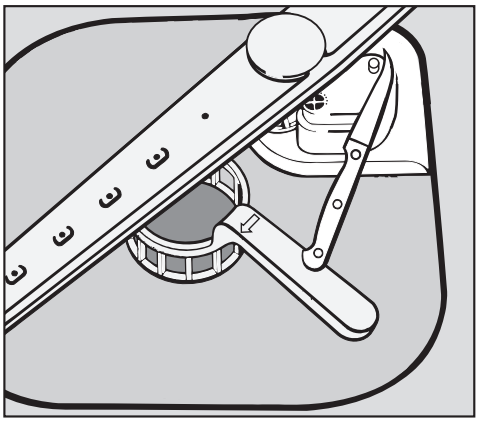
– The drain hose must not be shortened.

Venting the drainage system

■ Open the dishwasher door fully.

If the site drain connection is situated lower than the guide path for the bottom basket rollers in the open door the drainage system must be vented. Otherwise a siphoning effect during a programme can cause the machine to empty itself of water.

To vent:



■ Cut off the top of the vent valve in the wash cabinet.

Dishwasher model	G 349	G 396
Height	84.2 cm (adjustable + 5.0 cm)	84.2 cm (adjustable + 5.0 cm)
Height of building in recess	87.5 - 89.5 cm	87.5 - 89.5 cm
Width	54.7 cm	54.7 cm
Width of building in recess	56.2 - 56.8 cm	56.2 - 56.8 cm
Depth	57 cm	57 cm
Depth with open door	120.5 cm	120.5 cm
Weight integrated model integrated model SC #	 approx. 53 kg approx. 54.5 kg	 approx. 55 kg approx. 56.5 kg
Voltage		
Rated load	see data plate on the top of the door	
Fusing		
Test marks	VDE, Radio and Television suppressed	VDE, Radio and Television suppressed
Water pressure (flow pressure)	0.3 - 10 bar pressure	0.3 - 10 bar pressure
Hot water connection	max. 60 °C	max. 60 °C
Delivery head	max. 1 m	max. 1 m
Drainage length	max. 4 m	max. 4 m
Connection cable	approx. 2.65 m	approx. 2.65 m
Capacity	12 place settings	12 place settings

SC = Dishwasher with cutlery tray

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This paper consists of cellulose which has been bleached without the use of chlorine.